

What is claimed is:

1. A heat exchanger comprising;
an evaporator;
5 a blower;
an air inlet unit; and
an air outlet unit,
wherein air is fed from outside into the inner part of the heat exchanger through the
air inlet unit and then the air flows towards the blower through a first predetermined portion
10 of the evaporator to thereby supply first heat-exchanged air and thereafter, the first heat-
exchanged air is fed to the air outlet unit through a second predetermined portion of the
evaporator by the blowing operation of the blower to thereby supply second heat-exchanged
air.
- 15 2. The heat exchanger according to claim 1, wherein the blower is located opposite to
the air inlet unit and the air outlet unit with regard to the evaporator, wherein the blower, the
air inlet unit and the air outlet unit are arranged horizontally on a substantially same plane.
3. The heat exchanger according to claim 2, wherein the air inlet unit is located in front
20 of the first predetermined portion of the evaporator, and the air outlet unit is located in front
of the second predetermined portion of the evaporator.
4. The heat exchanger according to claim 3, wherein the first predetermined portion
and the second predetermined portion are a center portion and an end portion of the
25 evaporator, respectively.
5. The heat exchanger according to claim 3, wherein the first predetermined portion
and the second predetermined portion are an end portion and a center portion of the
evaporator, respectively.
30
6. The heat exchanger according to claim 1, further comprising a guide unit for guiding
flow of the first heat-exchanged air.
7. A heat exchanger comprising:
35 an evaporator having a first predetermined portion and a second predetermined
portion;

at least one blower;
at least one air inlet; and
at least one air outlet,

wherein the first predetermined portion of the evaporator is disposed between the at
least one air inlet and the blower and the second predetermined portion of the evaporator is
disposed between the blower and the at least one air outlet.

8. The heat exchanger according to claim 7, wherein the at least one air inlet and the at
least one air outlet are arranged horizontally on substantially the same plane.

10

9. The heat exchanger according to claim 7, wherein the at least one air inlet is located
in front of the first predetermined portion of the evaporator and the at least one air outlet is
located in front of the second predetermined portion of the evaporator.

15 10. The heat exchanger according to claim 7, wherein the first predetermined portion
and the second predetermined portion are a center portion and an end portion of the
evaporator, respectively.

11. The heat exchanger according to claim 7, wherein the first predetermined portion
and the second predetermined portion are a center portion and an end portion of the
evaporator, respectively.

12. The heat exchanger according to claim 7, further comprising a guide unit for directing
air flow from the at least one air inlet through the first predetermined portion of the
evaporator to the blower.

13. The heat exchanger according to claim 7, further comprising a guide unit for
directing air flow from the blower through the second predetermined portion of the
evaporator to the at least one air outlet.

30

14. A method of conditioning air comprising the steps of:

- (a) providing the heat exchanger of claim 7;
- (b) providing unconditioned air into the at least one air inlet;
- (c) feeding at least a portion of the unconditioned air through a first

predetermined portion of the evaporator towards the blower;

(d) directing at least a portion of the first heat-exchanged air from the blower through a second predetermined portion of the evaporator.

5

10

15

20

25

30

35